



Car Wash Water Conservation

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Driven to DiscoverSM

Background

- 2018 car wash research project
- 45 car washes in Washington County
- 35 million gallons annually
- 11 top users
 - Use 1-8 million gallons each



Project Overview

Research: Summer 2018

- Evaluate existing technical assistance resources
- Gather insight from car wash professionals
- Conduct site visits

Outreach: Fall 2018

- Inform car washes about project
- Quantify different types of car wash systems in county
- Offer recommendations through site assessments

Car Wash Details

Systems

- Tunnel conveyor
- In-bay automatic
- Self-serve

Methods

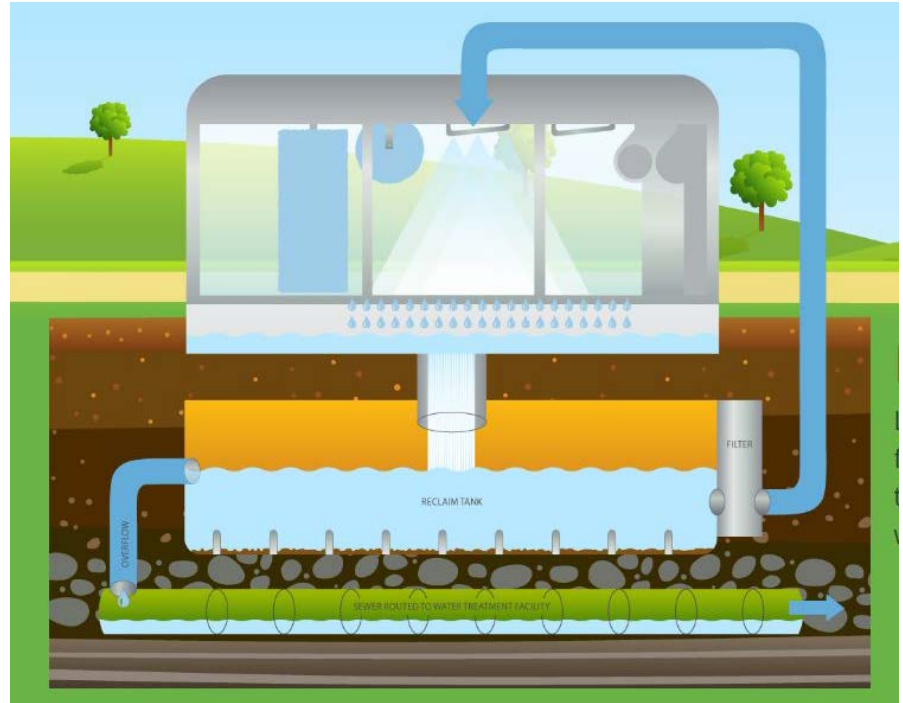
- Soft touch
- Touch-free



Primary Recommendation

Water reclaim system

- Filters wash water
- Controls odor and color
- Recycles 50-90% of water
- Cuts down on water/sewer costs
- Uses reclaim water for all processes except final rinse



Other Recommendations



- Reuse reverse osmosis reject water
- Collect rainwater
- Maintain equipment
- Upgrade nozzles
- Measure vehicle length
- Repair leaks

What's Next...

- Find sites interested in participating
- Conduct site assessments with recommendations
- Develop and publish case study
- Assemble all resources and best practices